IN THE CLAIMS:

A. Please amend claims 4, 10 and 12 as follows:

Amended Claims With Mark-ups to Show Changes Made

4. (Amended) The system of claim 1, further comprising a mobile switching center and a visitor location register, wherein said location management is provided [in] to said mobile switching center and visitor location register.

10. (Amended) A method for controlling a packet data service in a mobile communication network of a radio communication network that includes a plurality of radio network controllers, at least one location management function device and a packet data node to provide a radio packet data service, the method comprising [the steps of]:

a) allowing a packet data service active terminal to move from a current one of said radio network controllers to a target one of said radio network controllers under the condition that only a point-to-point protocol state is maintained between said active terminal and said packet data node;

b) allowing said active terminal to detect a received pilot signal and check a system overhead message;

c) allowing said active terminal to determine whether to perform a handoff operation at a suspended state; and

d) allowing said active terminal to request said current radio network controller to permit its change to one of a dormant state and an active state when the determination is that said active terminal is to perform the handoff operation in said suspended state.

12. (Amended) The method of claim 10, wherein when said [current radio network controller] active terminal is changed to said dormant state, the method further comprises [the step of] allowing said location management function entity to transfer an overhead message to said target radio network controller to notify the target radio network controller that an inter-radio network controller handoff operation is executed.

Clean Set of Amended Claims

a3

4. (Amended) The system of claim 1, further comprising a mobile switching center and a visitor location register, wherein said location management is provided to said mobile switching center and visitor location register.

a4

10. (Amended) A method for controlling a packet data service in a mobile communication network of a radio communication network that includes a plurality of radio network controllers, at least one location management function device and a packet data node to provide a radio packet data service, the method comprising:

a) allowing a packet data service active terminal to move from a current one of said radio network controllers to a target one of said radio network controllers under the condition that only a point-to-point protocol state is maintained between said active terminal and said packet data node;

b) allowing said active terminal to detect a received pilot signal and check a system overhead message;

c) allowing said active terminal to determine whether to perform a handoff operation at a suspended state; and

d) allowing said act ive t erminal to request said current radio network controller to permit its change to one of a dormant state and an active state when the

determination is that said active terminal is to perform the handoff operation in said suspended state.

12. (Amended) The method of claim 10, wherein when said active terminal is changed to said dormant state, the method further comprises allowing said location management function entity to transfer an overhead message to said target radio network controller to notify the target radio network controller that an inter-radio network controller handoff operation is executed.

B. Please add new claims 16-20 as follows:

16. (New) The system of claim 1, wherein a handoff is initiated from the first radio network controller to the second radio network controller responsive to said movement of said active terminal to control of the second radio network controller in the suspended state or the dormant state.

17. (New) The system of claim 16, wherein the handoff is an inactive handoff from said first radio network controller to the second radio network controller.

18. (New) The system of claim 17, wherein said active terminal in said suspended state is transferred to one of said active state and said dormant state responsive to the location management unit before said inactive handoff.

19. (New) The system of claim 1, wherein a handoff is initiated from the first radio network controller to the second radio network controller responsive to a status change caused by said movement.

20. (New) The method of claim 8, wherein the moving a packet data service active terminal is responsive to a status change caused by movement by the active terminal to an area controlled by said new radio network controller.